

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) An X-ray diagnosis apparatus, comprising:
an X-ray tube that irradiates X-ray to an object and an X-ray detector that detects X-ray penetrated through the object;

a supporting unit configured to support to [[an]] the X-ray tube ~~that irradiates X-ray to an object~~ and [[an]] the X-ray detector ~~that detects X-ray penetrated through the object;~~

a bed configured to have the object placed thereon;

an operation unit configured to ~~operate-drive~~ define movement of at least one of the supporting unit and the bed;

a wireless communication unit configured to transmit a wireless signal related to the ~~drive~~ movement from the operation unit to the bed; ~~and~~

a drive control unit configured to control the ~~drive~~ movement of at least one of the supporting unit and the bed based on the transmitted wireless signal; and

an attachment unit configured to attach and detach the operation unit to the bed.

2. (Original) The X-ray diagnosis apparatus according to claim 1, wherein the bed includes a plurality of attachment units configured to attach and detach the operation unit.

3. (Original) The X-ray diagnosis apparatus according to claim 2, further comprising:

a state detection unit configured to detect a state of attachment of the operation unit to the bed.

4. (Original) The X-ray diagnosis apparatus according to claim 3, wherein the state detection unit is configured to detect whether the operation unit is attached to at least one of the attachment units.

5. (Currently Amended) The X-ray diagnosis apparatus according to claim 4, wherein the drive control unit stops the ~~drive~~ movement of at ~~lease~~ least one of the supporting unit and the bed when the operation unit is not attached to any of the attachment units.

6. (Original) The X-ray diagnosis apparatus according to claim 3, wherein the state detection unit identifies the attachment unit to which the operation unit is attached.

7. (Currently Amended) The X-ray diagnosis apparatus according to claim 6, wherein the drive control unit controls a direction of the ~~drive~~ movement of at least one of the supporting unit and the bed based on a position of the identified attachment unit.

8. (Original) The X-ray diagnosis apparatus according to claim 2, wherein the attachment unit includes a guide rail.

9. (Original) The X-ray diagnosis apparatus according to claim 8, wherein the communication unit is provided with respect to each the guide rail.

10. (Currently Amended) The X-ray diagnosis apparatus according to claim 1, wherein the communication unit transmits the wireless signal related to the ~~drive~~ movement at several times.

11. (Currently Amended) The X-ray diagnosis apparatus according to claim 1, further comprising:

a second operation unit configured to ~~operate drive~~ define movement of at least one of the supporting unit and the bed; and

a second communication unit configured to transmit a second signal related to the ~~drive~~ movement from the ~~operation~~ second drive unit to the bed by a cable.

12. (Currently Amended) The X-ray diagnosis apparatus according to claim 11, wherein the drive control unit controls the ~~drive~~ movement of at least one of the supporting unit and the bed based on the second signal transmitted by the cable prior to transmission of the wireless signal.

13. (Currently Amended) The X-ray diagnosis apparatus according to claim 11, wherein the drive control unit stops the ~~drive~~ movement of at least one of the supporting unit

and the bed when the second signal transmitted by the cable is different from the transmitted wireless signal.

14. (Currently Amended) The X-ray diagnosis apparatus according to claim 1, wherein the drive control unit controls the ~~drive~~ movement of at least one of the supporting unit and the bed in a horizontal direction.

15. (Currently Amended) The X-ray diagnosis apparatus according to claim 1, wherein the drive control unit controls the ~~drive~~ movement of at least one of the supporting unit and the bed in a rotation direction.

16. (Currently Amended) An X-ray diagnosis apparatus, comprising:
an X-ray tube that irradiates X-ray to an object and an X-ray detector that detects the X-ray penetrated through the object;

a supporting unit configured to support to ~~[[an]] the X-ray tube that irradiates X-ray to an object and [[an]] the X-ray detector that detects the X-ray penetrated through the object;~~

a bed configured to have the object placed thereon;

an operation unit configured to ~~operate~~ drive define movement of at least one of the supporting unit and the bed and configured to be attached to and detached from a plurality of attachment units of the bed;

a drive control unit configured to control the ~~drive~~ movement of at least one of the supporting unit and the bed based on the signal; and

a state detection unit configured to detect a state of attachment of the ~~operation~~ drive unit to the bed.

17. (Original) The X-ray diagnosis apparatus according to claim 16, wherein the state detection unit is configured to detect whether the operation unit is attached to at least one of the attachment units.

18. (Currently Amended) The X-ray diagnosis apparatus according to claim 17, wherein the drive control unit is configured to stop the ~~drive~~ movement of at least one of the supporting unit and the bed when the operation unit is not attached to any of the attachment units.

19. (Original) The X-ray diagnosis apparatus according to claim 16, wherein the state detection unit is configured to identify the attachment unit to which the operation unit is attached.

20. (Currently Amended) The X-ray diagnosis apparatus according to claim 19, wherein the drive control unit is configured to control a direction of the ~~drive~~ movement of at least one of the supporting unit and the bed based on a position of the identified attachment unit.

21. (Currently Amended) The X-ray diagnosis apparatus according to claim 6, wherein the attachment unit includes a connector configured to transmit a signal related to the ~~drive~~ movement from the operation unit to the bed.

22. (Currently Amended) An X-ray diagnosis apparatus, comprising:
an X-ray tube that irradiates X-ray to an object and an X-ray detector that detects the X-ray penetrated through the object;

a supporting unit configured to support ~~[[an]] the X-ray tube that irradiates X-ray to an object and [[an]] the X-ray detector that detects the X-ray penetrated through the object;~~

a bed configured to have the object placed thereon;

means for ~~operating drive~~ defining movement of at least one of the supporting unit and the bed;

wireless means for transmitting a signal related to the ~~drive from the operation unit~~ movement defined by the means for defining to the bed by wireless communication;

wired means for transmitting a signal related to the movement defined by the means for defining to the bed by wired communication; and

means for controlling the ~~drive~~ movement of at least one of the supporting unit and the bed based on the signal transmitted by one of the wireless means and the wired means.

23. (Currently Amended) A method for controlling an X-ray diagnosis apparatus including ~~a supporting unit configured to support to an X-ray tube that irradiates X-ray an object and an X-ray detector that detects the X-ray penetrated through the object, a~~ supporting unit configured to support the X-ray tube and the X-ray detector; a bed configured

to have the object placed thereon, and an operation unit configured to ~~operate drive~~ define movement of at least one of the supporting unit and the bed, comprising:

detecting a position ~~[[of]]~~ defined by the operation unit;

detecting an ~~operation~~ movement direction ~~[[of]]~~ defined by the operation unit;

determining a ~~drive~~ movement direction based on the position ~~of the operation unit~~
and the ~~operation~~ movement direction defined by the ~~of an~~ operation unit;

providing a wireless communication path and a wired communication path to the
operation unit; and

driving controlling movement of at least one of the bed and the supporting unit in the
determined ~~drive~~ movement direction using one of the wireless and wired communication
paths.